

Work Order ID 54290-1

December 7, 2009 2:30:16 PM

split



Item ID: D412-702-123B

Accept



Setup Start



Revision ID:

Stop



Item Name: Harness Assembly

Start Date: 07/12/2009 Start Qty: 10.00



Cust Item ID:

Required Date: 21/12/2009 Req'd Qty: 10.00

Customer:

Reference:

Run Start



Approvals: Process Plan: *BP*

Date: *04-12-1*

Tooling:

Date:

QC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Draw
Number

Draw
Rev.

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

Draw Nbr

Revision Nbr

DSI 9469

A

50

0.00



DC

Document Control

Memo

Photocopy bluefile & type labels per PPP D412-702-123B / DSI 9469
CHG001

0.00

N/A

100

Pick Kit

0.00



Packaging

Packaging

Memo

0.00

10-1-15 (10) SD

110

0.00



Small Fab

Small Fab

Memo

Assemble as per DSI9469

0.00

10/01/20 (1)

Work Order ID 54290

December 7, 2009 2:30:16 PM



Page 2

Item ID: D412-702-123B

Accept



Setup Start



Revision ID:

Item Name: Harness Assembly

Stop



Start Date: 07/12/2009 Start Qty: 10.00



Cust Item ID:

Required Date: 21/12/2009 Req'd Qty: 10.00



Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Run Start



Stop

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run HoursDraw
NumberDraw
Rev.Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

120



QC

Quality Control

QC5- Inspect part completeness to step on W/O

0.00

27 Dec 6/1/20

Memo

0.00

(40)

130



Packaging

Packaging

0.00

Memo

0.00

Identify and pack for shipping as per PPP D412-702-123B / DSI 9469

Location: _____

PPP rev: _____

5A-

Dec 6/1/20 (1)

140



QC

Quality Control

QC21- Final Inspection - Work Order Release

0.00

Memo

0.00

10/01/20 MF

MF 10-1-20

Picklist Print

December 7, 2009 2:30:20 PM

Page 1

Work Order ID: 54290



Parent Item: D412-702-123B

Parent Item Name: Harness Assembly

Start Date: 07/12/2009

Required Date: 21/12/2009

Start Qty: 10.00

Required Qty: 10.00

Comments:

| Component Item ID/ Item Name | Replacement Item ID | Mfg/ Purch | Bin Item | Primary Location | Last Location | Route Seq ID | Unit of Measure | Qty on Hand | Remaining Qty To Pick | Qty Issued | Date Issued | Status |
|---------------------------------|------------------------|---------------|-------------|---------------------|------------------|-----------------|--------------------|----------------|--------------------------|---------------|----------------|--------|
| D3570-4 | | Manufactured | No | | | | Each | 29.0000 | 10.0000 | | | |
| | | | | | | | | | | | | |
| Bracket | | | | | | | | | | | | |

Warehouse
Location

Loc Qty

Loc Code

Main Warehouse

ST

1

47380

1

Main Warehouse

ST245A

28

52886

28

Each

3.0000

10.0000

D3579-048



Shoulder Harness

Manufactured

No

Warehouse
Location

Loc Qty

Loc Code

Main Warehouse

ST

3

48369

3

Each

194.0000

40.0000

MS24694-S50



Screw

Purchased

No

Warehouse
Location

Loc Qty

Loc Code

Main Warehouse

ST

194

108936

6

111020

18

113359

170

10-1-15 SP

9/5/10/01/20
B55119 (14)

10-1-15 SP (10)

4

Picklist Print

December 7, 2009 2:30:20 PM

Page 2

Work Order ID: 54290

Parent Item: D412-702-123B

Parent Item Name: Harness Assembly

Comments:

Start Date: 07/12/2009

Required Date: 21/12/2009

Start Qty: 10.00

Required Qty: 10.00

| Component Item ID/ Item Name | Replacement Item ID | Mfg/ Purch | Bin Item | Primary Location | Last Location | Route Seq ID | Unit of Measure | Qty on Hand | Remaining Qty To Pick | Qty Issued | Date Issued | Status |
|---------------------------------|------------------------|---------------|-------------|---------------------|------------------|-----------------|--------------------|----------------|--------------------------|---------------|----------------|--------|
|---------------------------------|------------------------|---------------|-------------|---------------------|------------------|-----------------|--------------------|----------------|--------------------------|---------------|----------------|--------|

AN960JD10L

Purchased

No

Each

5,439.000

40.0000



Washer



10-1-15 SP

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

5439

101291

16

104885

153

105793

236

109632

276

110985

4758

4

MS21042L3

Purchased

No

Each

2,759.000

10.0000



Nut



10-1-15 RD SP

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

2759

109798

14

110844

32

111274

27

111668

194

112314

1992

112385

500

10

December 7, 2009 2:30:20 PM

Shop Packet Print

Page 2

Picklist Print

December 7, 2009 2:30:20 PM

Page 3

Work Order ID: 54290



Parent Item: D412-702-123B



Parent Item Name: Harness Assembly

Start Date: 07/12/2009

Required Date: 21/12/2009

Comments:

Start Qty: 10.00

Required Qty: 10.00

| Component Item ID/ Item Name | Replacement Item ID | Mfg/ Purch | Bin Item | Primary Location | Last Location | Route Seq ID | Unit of Measure | Qty on Hand | Remaining Qty To Pick | Qty Issued | Date Issued | Status |
|---------------------------------|------------------------|---------------|-------------|---------------------|------------------|-----------------|--------------------|----------------|--------------------------|---------------|----------------|--------|
|---------------------------------|------------------------|---------------|-------------|---------------------|------------------|-----------------|--------------------|----------------|--------------------------|---------------|----------------|--------|

| | | | | | | | | | | | | |
|---------|--|--------------|----|--|--|--|------|---------|---------|--|--|--|
| D3569-3 | | Manufactured | No | | | | Each | 44.0000 | 10.0000 | | | |
|---------|--|--------------|----|--|--|--|------|---------|---------|--|--|--|



Decal



~~10-1-15~~ @ SP

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

44

47717

44

\$

December 7, 2009 2:30:20 PM

Shop Packet Print

Page 3

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D412-702 REV. E AND
INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D412-702 REV. 3

REF TCCA STC: SH04-7
REF FAA STC: SR01997NY
REF EASA STC: EASA.IM.R.S.00710

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENTS
WITHOUT NOTICE
WORK ORDER
NO. 54290
BY 09-12-7

PURPOSE:

Update the D412-702-041A/045A/-041B/-045B kits for compatibility with the Dart D412-769-011 Aft Facing Seat Kit.

CHANGE:

Quantity (1) each of D412-702-111A/-113A is replaced with D412-702-121A/-123A. Also Qty (4) x AN4-27A bolts are added to the kits for compatibility with the Dart seat. The parts list in section 25.28 (pg. 87) of ICA-D412-702 Rev. 3 and section 7.0 (pg. 38) of IIN-D412-702 Rev. E is amended as follows:

| QTY | QTY | QTY | QTY | QTY | PART NUMBER | DESCRIPTION |
|-------|-------|-------|-------|-------|---------------|----------------------------------------------------|
| -041A | -043A | -045A | -047A | -049A | | |
| X | | | | | D412-702-041A | Dart 13-Man 3-Point Shoulder Harness Kit |
| | | X | | | D412-702-045A | Dart 4-Man 3-Point Aft Facing Shoulder Harness Kit |

IS:

| | | | | | | |
|----|--|----|--|--|---------------|-----------------------------|
| 1 | | 1 | | | D412-702-111A | HARNESS ASSEMBLY (EXISTING) |
| 1 | | 1 | | | D412-702-121A | HARNESS ASSEMBLY (NEW) |
| 1* | | 1* | | | D3570-3 | BRACKET |
| 1* | | 1* | | | D3579-043 | SHOULDER HARNESS |
| 4* | | 4* | | | MS24694S50 | SCREW |
| 4* | | 4* | | | AN960JD10L | WASHER |
| 1* | | 1* | | | MS21042L3 | NUT |
| 1* | | 1* | | | D3569-1 | DECAL |
| 1 | | 1 | | | D412-702-113A | HARNESS ASSEMBLY (EXISTING) |
| 1 | | 1 | | | D412-702-123A | HARNESS ASSEMBLY (NEW) |
| 1* | | 1* | | | D3570-4 | BRACKET |
| 1* | | 1* | | | D3579-044 | SHOULDER HARNESS |
| 4* | | 4* | | | MS24694S50 | SCREW |
| 4* | | 4* | | | AN960JD10L | WASHER |
| 1* | | 1* | | | MS21042L3 | NUT |
| 1* | | 1* | | | D3569-2 | DECAL |
| 4 | | 4 | | | AN4-27A | BOLT (NEW) |

WAS:

| | | | | | | |
|---|--|---|--|--|---------------|------------------|
| 2 | | 2 | | | D412-702-111A | HARNESS ASSEMBLY |
| 2 | | 2 | | | D412-702-113A | HARNESS ASSEMBLY |

* DENOTES THAT PART IS INCLUDED WITH ASSEMBLY ABOVE

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED
BY: 
D. SHEPHERD (DE # 02)

DATE: 09.06.30
CERT. NO.: SH04-7
ISSUE NO.: 3

| | | | |
|------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| A | NEW ISSUE, NCR 09-068 | CP | 09.06.30 |
| REV. | DESCRIPTION | BY | DATE |
| DESIGN |  | DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA | |
| DRAWN |  | DRAWING NO. REV. A DSI 9469 SHEET 1 OF 5 | |
| CHECKED |  | SCALE AFT-FACING SEAT UPDATE NTS | |
| MFG. APPR. | N/A | TITLE | |
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| DATE | 09.06.30 | | |

The parts list in section 25.28 (pg. 93) of ICA-D412-702 Rev. 3 and section 7.0 (pg. 40) of IIN-D412-702 Rev. E is amended as follows:

| QTY -041B | QTY -043B | QTY -045B | QTY -047B | QTY -049B | PART NUMBER | DESCRIPTION |
|--------------|--------------|--------------|--------------|--------------|---------------|----------------------------------------------------|
| X | | | | | D412-702-041B | Dart 13-Man 3-Point Shoulder Harness Kit |
| | | X | | | D412-702-045B | Dart 4-Man 3-Point Aft Facing Shoulder Harness Kit |

IS:

| | | | | | | |
|----|--|----|--|--|---------------|-----------------------------|
| 1 | | 1 | | | D412-702-111B | HARNESS ASSEMBLY (EXISTING) |
| 1 | | 1 | | | D412-702-121B | HARNESS ASSEMBLY (NEW) |
| 1* | | 1* | | | D3570-3 | BRACKET |
| 1* | | 1* | | | D3579-047 | SHOULDER HARNESS |
| 4* | | 4* | | | MS24694S50 | SCREW |
| 4* | | 4* | | | AN960JD10L | WASHER |
| 1* | | 1* | | | MS21042L3 | NUT |
| 1* | | 1* | | | D3569-3 | DECAL |
| 1 | | 1 | | | D412-702-113B | HARNESS ASSEMBLY (EXISTING) |
| 1 | | 1 | | | D412-702-123B | HARNESS ASSEMBLY (NEW) |
| 1* | | 1* | | | D3570-4 | BRACKET |
| 1* | | 1* | | | D3579-048 | SHOULDER HARNESS |
| 4* | | 4* | | | MS24694S50 | SCREW |
| 4* | | 4* | | | AN960JD10L | WASHER |
| 1* | | 1* | | | MS21042L3 | NUT |
| 1* | | 1* | | | D3569-3 | DECAL |
| 4 | | 4 | | | AN4-27A | BOLT (ADD) |

WAS:

| | | | | | | |
|---|--|---|--|--|---------------|------------------|
| 2 | | 2 | | | D412-702-111B | HARNESS ASSEMBLY |
| 2 | | 2 | | | D412-702-113B | HARNESS ASSEMBLY |

* DENOTES THAT PART IS INCLUDED WITH ASSEMBLY ABOVE

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: *[Signature]*
D. SHEPHERD (DE # 02)

DATE: 09.06.30
CERT. NO.: SH04-7
ISSUE NO.: 3

| | |
|------------|--------------------|
| DESIGN | 99 |
| DRAWN | 99 |
| CHECKED | <i>[Signature]</i> |
| MFG. APPR. | N/A |
| APPROVED | <i>[Signature]</i> |
| DE APPR. | <i>[Signature]</i> |
| DATE | 09.06.30 |

W/O 54290
DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA

DRAWING NO. REV. A
DSI 9469 SHEET 2 OF 5
TITLE SCALE
AFT-FACING SEAT UPDATE NTS

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Figures 4.8 (pg. 25) of IIN-D412-702 Rev. E and 25.12 (pg. 69) of ICA-D412-702 Rev. 3 are updated as follows:

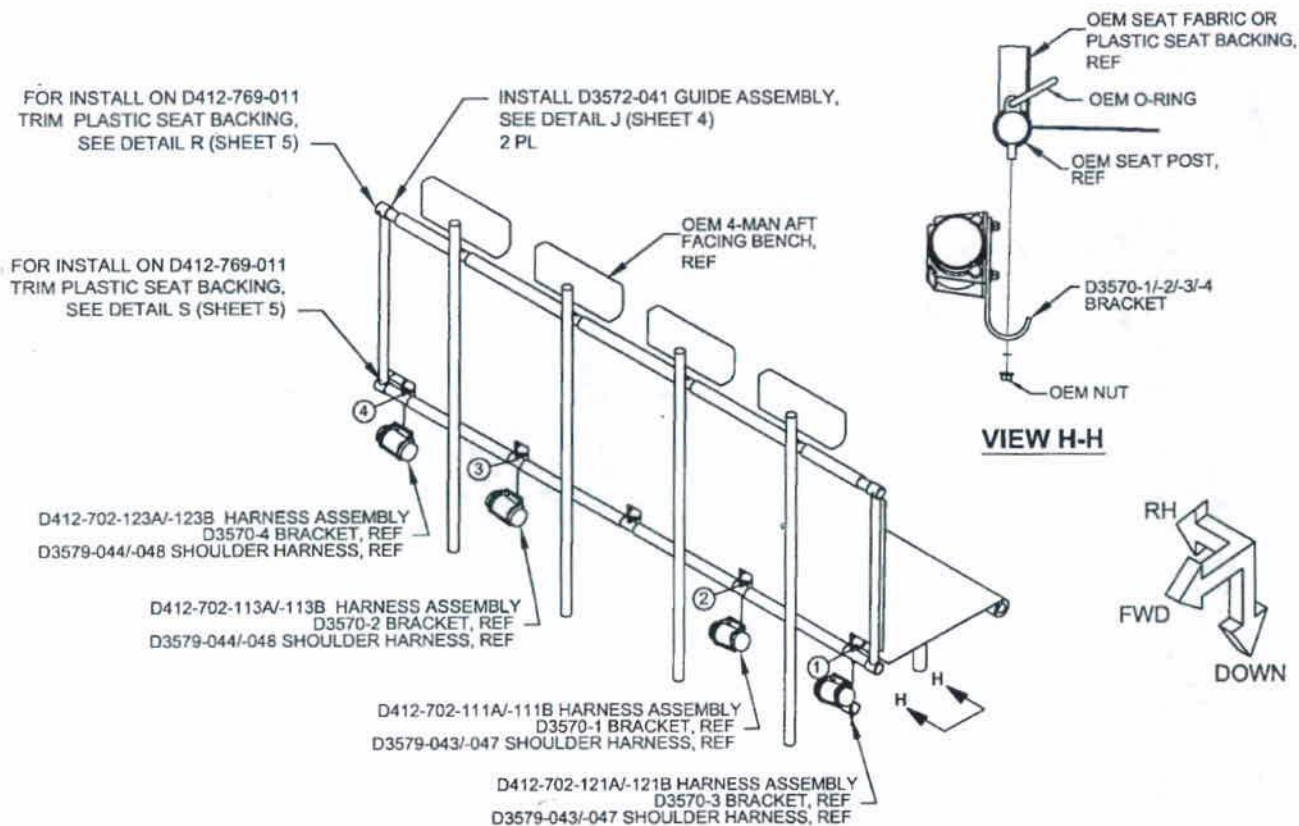
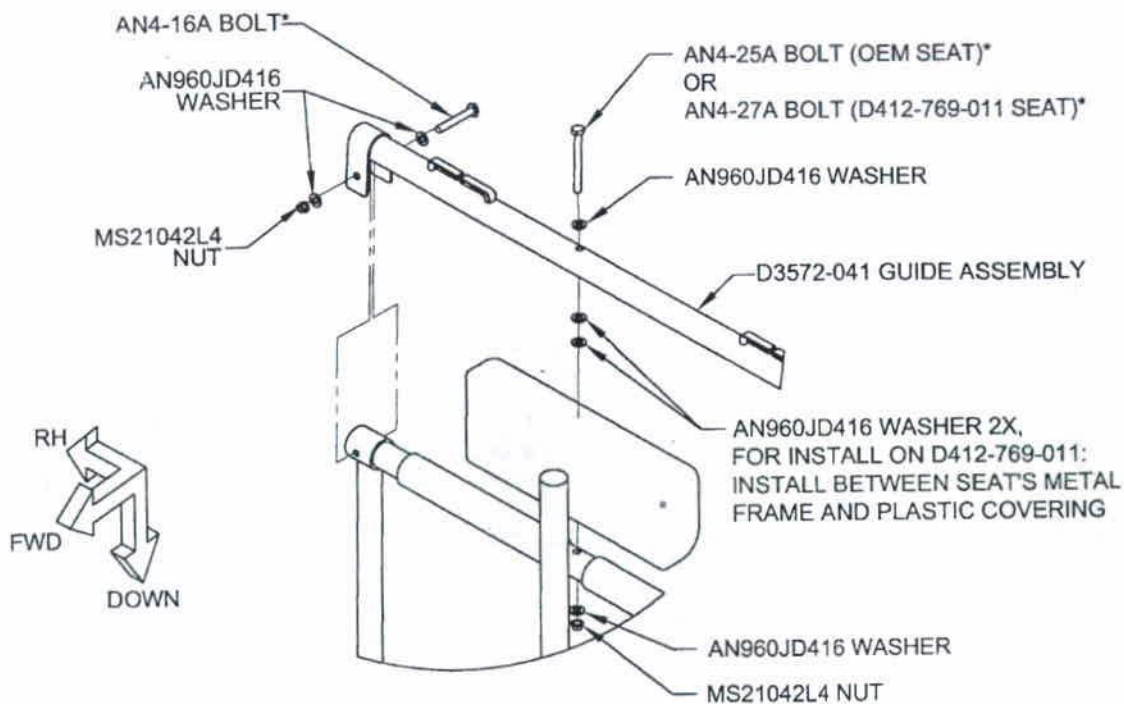


FIGURE 4.8. SHOULDER BELT INSTALLATION
FIGURE 25.12 D412-702-045A/-045B 4-MAN 3-POINT AFT FACING SHOULDER HARNESS KIT

CANADA
 DEPARTMENT OF TRANSPORT
 AIRCRAFT CERTIFICATION
 BRANCH
 DAO # 01-O-01

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 D. SHEPHERD (DE # 02)
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| DRAWN | <i>[Signature]</i> | | |
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| MFG. APPR. | N/A | DSI 9469 | SHEET 3 OF 5 |
| APPROVED | <i>[Signature]</i> | TITLE | SCALE |
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DETAIL J: D3572-041 INSTALLATION
(RH SHOWN, LH OPPOSITE)

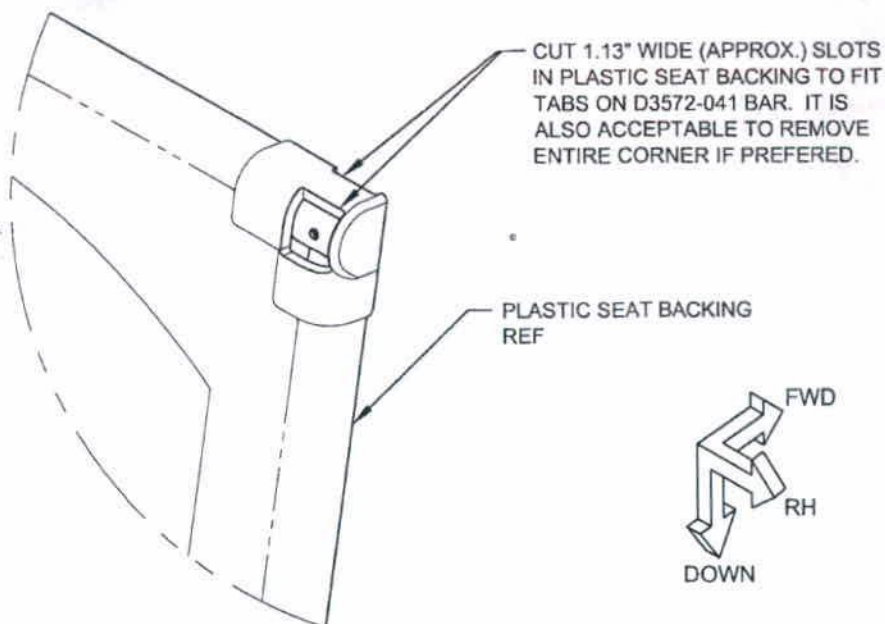
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DAO # 01-O-01

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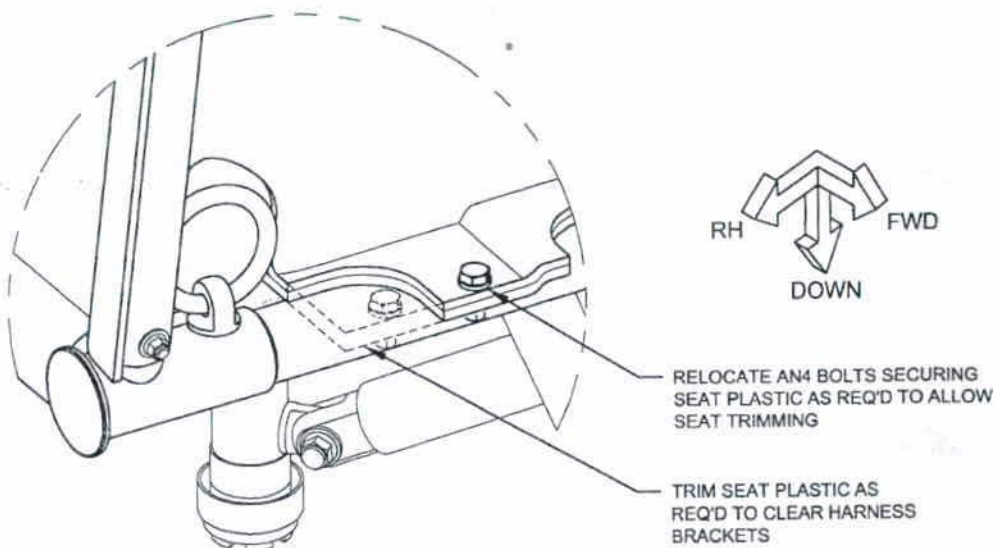
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| DRAWN | <i>qp</i> | | |
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| MFG. APPR. | N/A | DSI 9469 | SHEET 4 OF 5 |
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DETAIL R

VIEW LOOKING AT FRONT OF SEAT BACKING, TOP-RH CORNER SHOWN (TOP-LH CORNER SIMILAR),
FOR INSTALL ON D412-769-011 ONLY



DETAIL S

VIEW LOOKING AT REAR OF SEAT, BOTTOM-RH CORNER SHOWN (BOTTOM-LH CORNER SIMILAR),
FOR INSTALL ON D412-769-011 ONLY

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: *[Signature]*
D. SHEPHERD (DE # 02)

DATE: 09.06.30

CERT. NO.: SH04-7

ISSUE NO.: 3

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|------------|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| DESIGN | <i>92</i> | DART AEROSPACE LTD | |
| DRAWN | <i>92</i> | HAWKESBURY, ONTARIO, CANADA | |
| CHECKED | <i>92</i> | DRAWING NO. | REV. A |
| MFG. APPR. | N/A | DSI 9469 | SHEET 5 OF 5 |
| APPROVED | <i>[Signature]</i> | TITLE | SCALE |
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